



DuPont Specialty Chemicals

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DuPont Specialty Chemicals
Jackson Laboratory
Chambers Works
Deepwater, NJ 08023
USA

8EHQ-0699-14474

June 8, 1999

MR 23328

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Attention: Section 8(e) Coordinator
Office of Pollution Prevention & Toxics
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460-0001



8EHQ-99-14474

Dear Sir/Madam:

4,4'-Azobis(4-cyanovaleric acid), CAS# 2638-94-0

In an acute oral toxicity study conducted according to OECD Guidelines Protocol #423 (Acute Toxic Class Method test) groups of 3 male and 3 female Hsd:Sprague-Dawley (CD) rats were given a single dose of 200 mg/kg body weight of the test compound, formulated in distilled water, by gavage. Since no mortalities occurred at this dose, in accordance with test criteria, an additional group of 6 fasted rats (3 males and 3 females) were similarly dosed with 2000 mg/kg of the test compound.

Piloerection and hunched posture were observed in all the rats dosed with 200 mg/kg and 2000 mg/kg. Waddling and unsteady gait were seen in all the rats dosed with 2000 mg/kg. Additionally, protruding eyes were seen in all the females dosed with 200 mg/kg and in one of three females dosed with 2000 mg/kg.

No mortalities occurred at either dose and recovery was complete in all instances by the sixth day following dosing.

The test compound is used industrially as a polymerization initiator in closed equipment under controlled conditions. Based on its conditions of use and handling recommendations to avoid contact, exposure potential is considered not to be significant.



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This information is being provided under the requirements of TSCA § 8(e) as defined by guidance provided in EPA's June 1991 § 8(e) Reporting Guide. You may call me on 609/540-4576 if there are any questions.

Yours truly,



Kavy D. Dastur
Manager, Product Toxicology & Chemical
Regulations

/mn

Certified Mail

Z 226 336 674

CONTAINS NO WBT